

Patent claims

1. An optically brightened printing paper coated on one or both sides and coated once or many times, comprising coating base paper and a coating layer applied thereto and comprising pigment, binder and color coating supplements, characterized in that the optical brightener is arranged on the outer side of a coating layer.
2. The optically brightened printing paper coated on one or both sides as claimed in claim 1, characterized in that the optical brightener is arranged on the outer side of the top coat of a coating layer consisting of one or more pre-coats and a top coat.
3. The optically brightened printing paper coated on one or both sides as claimed in claim 1, characterized in that the optical brightener is arranged on the outer side of a first coating layer and a further coating layer is arranged over that.
4. A process for producing an optically brightened printing paper coated on one or both sides and coated once or many times, characterized by the combination of the following features:
 - a coating base paper, containing chemical pulp and/or groundwood pulp and/or recycled fibers and/or fillers, is coated with a color coating containing white pigments and binders in a manner known per se by means of roll, nozzle, doctor roll or doctor blade application,

- the coating is dried by means of IR radiators, hot air or cylinder contact,
- an aqueous solution containing an optical brightener is applied to the dried top side of the coating layer and dried again.

5. The process as claimed in claim 4, characterized in that the application of the solution is performed by means of roll application.

6. The method as claimed in claim 4, characterized in that the application of the solution is performed by means of nozzle application.

7. The process as claimed in either of claims 5 and 6, characterized in that the application of the solution is performed by means of roll or nozzle dampeners, as they are known, on one or both sides, and the solution of the optical brightener is added to the dampening water.

8. The process as claimed in one of claims 4 to 7, characterized in that the application of the solution of the optical brightener is carried out in the coating machine arranged directly downstream of the paper machine or in a separately operated coating machine.

9. The process as claimed in claim 4, characterized in that the solution of the optical brightener is applied in a rewetting device arranged downstream of a calender, together with the dampening water.

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